CLAIMS:

1	1. A method of processing digital signals to be transmitted in analog
2	form, said method comprising:
3	converting a digital signal to produce an analog signal image at a radio
4	frequency; and
5	using said analog signal image at said radio frequency for transmission.
1	2. The method of claim 1 comprising:
2	positioning said digital signal within a conversion bandwidth defined as one-
3	half the rate of said converting.
1	3. The method of claim 1 comprising:
2	receiving a plurality of digital signals;
3	positioning said digital signals in non-overlapping portions of a conversion
4	bandwidth defined as one-half the rate of said converting;
5	converting said digital signals to produce analog signal images at different
6	transmission frequencies; and
7	using said analog signal images for transmission.
1	4. The method of claim 3 wherein said step of using includes:
2	providing an analog signal image onto a path;
3	amplifying said analog signal image on said path; and
4	transmitting said amplified analog signal image using at least one antenna.
1	5. The method of claim 4 wherein said steps of providing, amplifying and
2	transmitting include:
3	providing a first analog signal image of a first frequency hand on a first path

and a second analog signal image of a second frequency band on a second path;

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5	amplifying said first analog signal image on said first path and said second
6	analog signal image on said second path; and
7	transmitting said first amplified analog signal image on a first antenna and
8	said second amplified analog signal image on a second antenna.
1	6. The method of claim 4 further comprising:
2	filtering a plurality of analog signal images at different frequency bands to
3	provide at least one analog signal image of a frequency band corresponding to each of
4	a plurality of paths.
1	7. The method of claim 4 further comprising:
2	selectively producing on each of a plurality of paths at least one analog signal
3	image of a frequency band corresponding to each of said plurality of paths.
1	8. The method of claim 1 further comprising:
2	adjusting a conversion rate for converting said digital signal to produce said
3	analog signal image at said RF frequency.
1	9. The method of claim 1 further comprising:
2	adjusting a frequency for said digital signal to be converted into analog form
3	to produce said analog signal image at said RF frequency.
1	10. A method of processing digital signals to be transmitted in analog
2	form, said method comprising the steps of:
3	converting a digital signal to produce a projected analog signal image; and
4	using said projected analog signal image at said frequency to produce analog
5	signals for transmission.

The method of claim 10 comprising:

includes:

2	positioning said digital signal within a conversion bandwidth defined as one-
3	half the rate of said conversion frequency.
1	12. The method of claim 10 comprising:
2	receiving a plurality of digital signals;
3	positioning said digital signals in non-overlapping portions of a conversion
4	bandwidth defined as one-half the rate of said conversion frequency;
5	converting said digital signals to produce said projected analog signal images
6	at frequencies greater than said conversion bandwidth; and
7	using said projected analog signal images for transmission.
1	13. The method of claim 12 wherein said step of using includes:
2	providing a projected analog signal image onto a path;
3	amplifying said projected analog signal image on said path; and
4	transmitting said amplified analog signal image using at least one antenna.
1	14. The method of claim 13 wherein said steps of providing, amplifying
2	and transmitting further include:
3	providing a first projected analog signal image of a first frequency band on a
4	first path and a second projected analog signal image of a second frequency band on a
5	second path;
6	amplifying said first projected analog signal image on said first path and said
7	second projected analog signal image on said second path; and
8	transmitting said first amplified analog signal image on a first antenna and
9	said second amplified analog signal image on a second antenna.
l	15. The method of claim 13 wherein said step of providing further

3	filtering a plurality of said projected analog signal images at different
4	frequency bands to provide at least one projected analog signal image of a frequency
5	band corresponding to each of a plurality of paths.
1	16. The method of claim 13 wherein said steps of providing further
2	includes:
3	selectively producing on each of a plurality of paths at least one projected
4	analog signal image of a frequency band corresponding to each of said plurality of
5	paths.
1	17. The method of claim 10 further comprising:
2	adjusting a conversion rate for converting said digital signal to produce said
3	projected analog signal image at said frequency.
1	18. The method of claim 10 further comprising:
2	adjusting a digital frequency for said digital signal to be converted into analog
3	form to produce said projected analog signal image at said frequency.
1	19 A transmitter comprising:
2	a digital to analog converter configured to receive a digital signal and convert
3	said digital signal into analog form, thereby producing an analog signal image at a
4	radio frequency; and
5	transmitter circuitry configured to use said analog signal image at said radio
6	frequency for transmission.
1	20. The transmitter of claim 19 comprising:
2	signal processing circuitry configured to position said digital signal within a
3	conversion bandwidth defined as one-half the rate of converting said digital signal
4	into analog form.

1	21. The transmitter of claim 19 comprising:
2	signal processing circuitry configured to receive a plurality of digital signals
3	and to position said digital signals in non-overlapping portions of a conversion
4	bandwidth defined as one-half the rate of said converting;
5	said digital to analog converter configured to convert said digital signals to
6	produce analog signal images at different transmission frequencies; and
7	said transmitter circuitry configured to use said analog signal images for
8	transmission.
1	22. The transmitter of claim 19 wherein said transmitter circuitry
2	comprising:
3	a path for carrying said analog signal image;
4	an amplifier on said path for amplifying said analog signal image on said path;
5	and
6	at least one antenna for transmitting said amplified analog signal image.
1	23. The method of claim 21 wherein said transmitter circuitry comprises:
2	signal distribution circuitry configured to receive said analog signal images
3	from said digital to analog converter and to provide a first analog signal image of a
4	first frequency band on a first path and a second analog signal image of a second
5	frequency band on a second path;
6	a first amplifier on said first path for amplifying said first analog signal image
7	on said first path;
8	a second amplifier on said second path for amplifying said second analog
9	signal image on said second path;
10	a first antenna connected to said first path for transmitting said first amplified
11	analog signal image; and
12	a second antenna connected to said second path for transmitting said second
13	amplified analog signal image.

1	24. The transmitter of claim 19, said transmitter configured to adjust a
2	conversion rate for said digital to analog converter to produce said analog signal
3	image at said radio frequency.
1	25. The transmitter of claim 19, said transmitter configured to adjust a
2	digital frequency for said digital signal to be converted into analog form to produce
3	said analog signal image at said radio frequency.
1	26. A transmitter comprising:
2	a digital to analog converter configured to receive a digital signal and convert
3	said digital signal into analog form, thereby producing a projected analog signal
4	image; and
5	transmitter circuitry configured to use said projected analog signal image to
6	produce analog signals for transmission.
1	27. The transmitter of claim 26 comprising:
2	signal processing circuitry configured to position said digital signal within a
3	conversion bandwidth defined as one-half the rate of said conversion frequency.
1	28. The transmitter of claim 26 comprising:
2	signal processing circuitry configured to receive a plurality of digital signals
3	and to position said digital signals in non-overlapping portions of said conversion
4	bandwidth;

said digital to analog converter configured to convert said digital signals to produce projected analog signal images at frequencies greater than said conversion

7 bandwidth; and

said transmitter circuitry configured to use said projected analog signal imagesfor transmission.

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2	a path for carrying said projected analog signal image;
3	an amplifier on said path for amplifying said projected analog signal image on
4	said path; and
5	at least one antenna for transmitting said amplified analog signal image.
1	30. The transmitter of claim 27 wherein said transmitter circuitry
2	comprises:
3	signal distribution circuitry configured to receive said projected analog signal
4	images from said digital to analog converter and to provide a first projected analog
5	signal image of a first frequency band on a first path and a second projected analog
6	signal image of a second frequency band on a second path;
7	a first amplifier on said first path for amplifying said first projected analog
8	signal image on said first path;
9	a second amplifier on said second path for amplifying said second projected
10	analog signal image on said second path;
11	a first antenna connected to said first path for transmitting said first amplified
12	analog signal image; and
13	a second antenna connected to said second path for transmitting said second
14	amplified analog signal image.
1	The transmitter of claim 26, said transmitter configured to adjust a
2	conversion rate for said digital to analog converter to produce said projected analog
3	signal image at said frequency.

The transmitter of claim 26 wherein said transmitter circuitry includes:

digital frequency for said digital signal to be converted into analog form to produce

said projected analog signal image at said frequency.

The transmitter of claim 26, said transmitter configured to adjust a